

Active Recombinant Human HSPA4 Protein (Full Length, 1-641)

Cat. No. HSPA4-1560H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HSPA4 Protein (1-641) without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-641
Description	Predicted to enable ATP binding activity. Involved in chaperone-mediated protein complex assembly and protein insertion into mitochondrial outer membrane. Located in cytosol and extracellular exosome. Implicated in Chagas disease. Biomarker of chronic obstructive pulmonary disease; rheumatoid arthritis; type 2 diabetes mellitus; and ulcerative colitis.
Bio-activity	HSP70 has ATPase activity at the time of manufacture of 3.3 μ M phosphate liberated/hr/ μ g protein in a 200 μ L reaction at 37 centigrade (pH7.5) in the presence of 20 μ L of 1 mM ATP using a Malachite Green assay.
Molecular Mass	70 kDa
Purity	Near homogeneity by SDS-PAGE
Applications	ATP Activity Assay, ELISA standard, WB control, Binding Assay

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Storage	Stable for 2 years at -70 centigrade from date of shipment. Please aliquot to avoid repeated freezing and thawing.
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Storage Buffer	Purified HSP70 in 20 mM Tris-HCl, pH 7.5, 50 mM KCl, 1 mM DTT, 5 mM MgCl ₂ .
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GENE INFORMATION

Gene Name	HSPA4 heat shock protein family A (Hsp70) member 4 [Homo sapiens (human)]
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Official Symbol	HSPA4
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Synonyms	HSPA4; heat shock protein family A (Hsp70) member 4; RY; APG-2; HSPH2; hsp70; hsp70RY; HEL-S-5a; HS24/P52; heat shock 70 kDa protein 4; epididymis secretory sperm binding protein Li 5a; heat shock 70-related protein APG-2; heat shock 70kD protein 4; heat shock protein, 110 kDa; hsp70 RY
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Gene ID	3308
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mRNA Refseq	NM_002154
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Protein Refseq	NP_002145
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MIM	601113
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UniProt ID	P34932
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SDS-PAGE**kDa**

100—
70—
55—
40—
35—
25—



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